

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,999,652 B2
APPLICATION NO. : 10/675391
DATED : February 14, 2006
INVENTOR(S) : Mino et al.

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Cover Page,

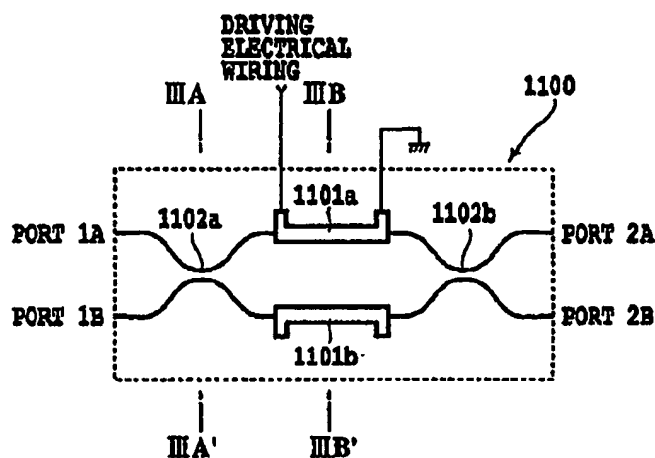
Item (75), after "Akira Himeno," change "Naka-machi" to --Naka-Gun--

Item (56), OTHER PUBLICATIONS, page 2 T. Shibata et al., line 3, change "Ahaheim," to --Anaheim,--

Drawings,

Sheet 3, replace Figure 3A as shown below to change mislabeled reference number "C00" to --1100--

FIG.3A
PRIOR ART



Column 1,

Line 6, change "341334filed" to --341334 filed--

Lines 28-29, change "more increases," to --continues to increase--

Line 35, after "throughput" change "with" to --while--

Line 50, before "output ports." insert --N--

Line 52, change "it" to --the 1xN optical switch--

Column 2,

Line 4, change "a1xN" to --a 1xN--

Column 4,

Line 9, change "Proc. 27th" to --Proc. 27th--

Column 5,

Line 20, after "layer of" remove "the"

Line 22, before "each gap" remove "the"

Line 59, before "substrates," insert --of the--

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Column 6,

Line 12, change "recently," to --regularly,--

Line 41, change "father" to --further--

Column 7,

Line 61, before "other two-port" insert --the--

Column 8,

Line 50, change "mth input waveguide to lth" to --mth input waveguide to ℓ th--

Line 53, after "m and" change "I" to -- ℓ --

Line 53, change " $1 \leq I \leq L$," to -- $1 \leq \ell \leq L$,--

Line 59, change "output input waveguides" to --output waveguides--

Column 9,

Line 8, before "optical switch" insert --an--

Line 14, before "to miniaturize" remove "the"

Column 10,

Line 52, change "mth" to --mth--

Column 11,

Line 61, change "reduced, furthermore," to --reduced. Furthermore,--

Column 12,

Line 30, after "but also" change "into" to --onto--

Line 37, after "The module" insert --is--

Line 41, change "a7-stage" to --a 7-stage--

Line 47, change "Ics" to --ICs--

Column 13,

Line 4, change "with bringing" to --while bringing--

Line 7, before "desired one" insert --the--

Line 16, change "2x2optical" to --2x2 optical--

Column 14,

Line 40, before "another" remove "an"

Line 44, change "As the" to --As in the--

Column 16,

Line 13, after "switch units" change "damages," to --is damaged,--

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Column 17,

Line 23, after "optical switch" change "increases" to --has increased--
Line 50, change "driving IC" to --driving ICs--
Line 52, after "by connecting" insert --them--

Column 18,

Line 17, after "can be" change "reduce" to --reduced--

Column 21,

Line 14, change "eight array" to --eight arrays--
Line 15, before "same" change "a" to --the--
Line 23, after "gain equalizer" change "with" to --while--
Line 26, change "optical switch" to --optical switches--
Line 27, after "PLC substrate" change "with" to --while--
Line 30, after "waveguides" change "with" to --while--

Column 23,

Line 55, change "wave length" to --wavelength--

Column 24,

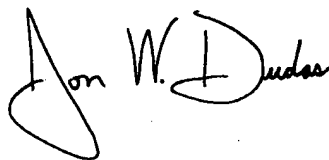
Line 22, change "wavelength" to --wavelengths--

Column 26,

Line 14, after "of one of" insert --the--

Signed and Sealed this

Twenty-seventh Day of March, 2007



JON W. DUDAS
Director of the United States Patent and Trademark Office